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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,353	09/17/2003	Yukimasa Yamamoto	9281-4651	4136
7590 06/29/2004		EXAMINER		
Brinks Hofer Gilson & Lione			LEVI, DAMEON E	
P.O. Box 10395 Chicago, IL 60610			ART UNIT	PAPER NUMBER
Cinicago, 111			2841	
			DATE MAILED: 06/29/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	10/664,353	YAMAMOTO, YUKIMASA			
Office Action Summary	Examin r	Art Unit			
	Dameon E Levi	2841			
The MAILING DATE of this communication appears on the cover sheet with the correspond nce address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 Responsive to communication(s) filed on <u>17 September 2003</u>. This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 					
Disposition of Claims					
4) ☐ Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or					
Application Papers					
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 17 September 2003 is/a Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the office of the second of the correction of the office of the second of the	are: a)⊠ accepted or b)⊡ objec drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) ☐ Interview Summary	(PTO-413)			
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da				

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15.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,2 are rejected under 35 U.S.C. 102(b) as being anticipated by Sakai US Patent 5966052.

Regarding claim 1, Sakai discloses a surface-mounting type electronic circuit unit comprising:

a side electrode arranged on a side face; a circuit substrate having a wiring pattern arranged on an upper face in a state connected to this side electrode(for example, see elements 2,2a,G2,G4,Figs 1-3, see columns 2-5)

and

an electric part connected to said wiring pattern by soldering, wherein said wiring pattern has a connecting conductor electrically connecting said side electrode and said electric part, and said connecting conductor connecting said electric part arranged in a position very near said side electrode is formed in a bent state(for example, see elements BC1,BC2,3,Figs 1-3, see columns 2-5)

Regarding claim 2, Sakai discloses wherein said connecting conductor is formed in the bent state of a zigzag shape. (for example, see elements 3,Figs 1-3, see columns 2-5)

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sakai US Patent 5966052 in view of Fujiwuru US Patent 5660269.

Regarding claim 3, Sakai discloses a surface-mounting type electronic circuit unit comprising:

a side electrode arranged on a side face; a circuit substrate having a wiring pattern arranged on an upper face in a state connected to this side electrode(for example, see elements 2,2a,G2,G4,Figs 1-3, see columns 2-5)

and

an electric part connected to said wiring pattern by soldering, wherein said wiring pattern has a connecting conductor electrically connecting said side electrode and said electric pad, (for example, see elements BC1,BC2,3,Figs 1-3, see columns 2-5)

Sakai does not disclose a silk layer fabricated by silk screen printing is formed on said connecting conductor connecting said electric pad arranged in a position very near said side electrode so as to cross this connecting conductor.

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Fujiwuru discloses embodiments wherein disclose a silk layer fabricated by silk screen printing is formed on said connecting conductor (for example, see Figs 1A-3, see columns 2-5)

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have formed a silk layer as taught by Fujiwuru in the device as taught by Sakai as placing a silk layer on a conductor pattern in known in the art for increasing electronic connectivity.

Regarding claim 4, Sakai discloses wherein said connecting conductor is formed in a straight line shape. (for example, see elements 3,Figs 1-3, see columns 2-5)

Regarding claim 5, Sakai discloses wherein said connecting conductor is formed in a bent state(for example, see elements 3,Figs 1-3, see columns 2-5).

Regarding claim 6, Sakai discloses wherein said connecting conductor is formed in the bent state of a zigzag shape(for example, see elements 3,Figs 1-3, see columns 2-5)..

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David S Martin can be reached on (571) 272-2107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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DEL

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